EFSv

Enabling High-Performance Cloud Storage and Collaborative Editing

EFS - The World's Best Shared Storage

For over a decade EditShare has delivered high-performance, scalable shared storage solutions that enable media professionals to create outstanding content. EditShare media storage solutions have increased productivity at over 3,500 media enterprises around the globe.

The EFS product family from EditShare is an enterprise-grade, storage platform that is optimized for media files from the ground up . It's fast, completely scalable and virtually immune to data loss through hardware failures. EditShare does the hard stuff under the hood so that creative people can get on with their job, without worrying about data safety, formats, or even technical quality control.

Introducing EFSv

EFSv is cloud based shared storage that delivers the benefits of EditShare File System while tailored specifically for public or private cloud environments. Because EFSv is designed for efficient use of both lower cost, object based storage and high-performance block based storage, it is significantly less expensive than systems that have been "lifted and shifted" to run on cloud environments. Yet it still has all the robustness and reliability of a proven EFS on-premise system.

Whether configured as an all-in-one node or clustered, EFSv always presents a single namespace to manage. This eliminates tasks like balancing user workloads between volumes or workspaces as well as building multiple sets of user accounts and/or permission sets.

EFSv employs the EFS Native Client, an advanced, multi-threaded driver whose low overhead and latency provides Windows, OS X and LINUX workstations with exceptional performance.

In multi-node EFSv clusters, the EFS Native Client provides further performance benefits by enabling parallel transactions between workstations and storage nodes to avoid typical "hot spots" associated with NAS clusters. Finally, EditShare's SwiftRead feature permits client workstations to seek parity or copy data from elsewhere in the cluster when a storage node is congested,down or inaccessible within a cloud datacenter.

Seamless Proxy Editing

EFSv has the unique capability to achieve true seamless proxy editing. This feature enables the first cost-effective cloud editing infrastructure, overcoming one of the primary objections of migrating media workflows to the cloud.

EFSv lets you put your high-resolution files into cost-effective object storage but makes those files appear as if they are on a normal mounted block storage file system.   At the same time, EFSv provides the scalable high performance block storage needed for low-latency access to proxy files and renders. Proxies can be generated by our FLOW media management system, or by your own tools.

EditShare®

Both high-resolution and proxy versions are accessible at all times to your media creation application. And when you import clips into NLEs such as Premiere Pro using our FLOW panel, the panel "teaches" the application about the existence and location of both high-resolution and proxy versions, so you can toggle back and forth between versions any time you want.

EFSv with seamless proxy editing not only makes cloud editing affordable for the first time, it also creates the opportunity for new cloud-centric workflows to make your media projects more efficient.

Remote Access

Using the native EFS drivers installed on workstations in your remote office, home or other off-site location, you can easily mount EFSv cloud based storage.

EFSv works over any secure VPN connection for file-system access to both high-res and proxy materials.

Using Seamless Proxy Edit is especially helpful when bandwidth to the remote location is a concern. The user can work with lower resolution files for the majority of the editing process and toggle back and forth between proxy and high-resolution when required.

EFSv Product Information

Software Specifications

- EFS Native Client driver for Windows, Mac OS and LINUX
- Additional Support for SMB and FTP protocols

Available Packages

	FLOW	EFSv Proxy Edit	EFSv Standard	EFSv Advanced
Supported Workflows	Review / Approve with FLOW Proxy & stream lightweight proxies	Suggested for proxy editing: i.e., Avid JFIF 15:1, ProRes proxy, Avid H.264 Proxy, DNxHR LB 1/4 or 1/16	Suggested for medium bandwidth editing: i.e. XDCAM 35/50, AVC-i, DNxHD 145, even DNxHD 220	Suggested for high bandwidth editing, or higher user count demands
Usable Storage	4 TB	16 TB	64 TB	48 TB
Aggregate Bandwidth Supported	AirFLOW only	up to 100 MB/s	up to 287 MB/s	up to 1.1 GB/s
Included Software	EditShare EFSv 5 EditShare FLOW Advanced Seats	EditShare EFSv 5 EditShare FLOW Advanced Seats	EditShare EFSv 10 EditShare FLOW Advanced Seats	EditShare EFSv 10 EditShare FLOW Advanced Seats

*Packages are provided as guidance and are customizable for both capacity and bandwidth purposes.

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